

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092520\
 Data File : VX018602.D
 Acq On : 25 Sep 2020 17:47
 Operator : JC/SP
 Sample : L4098-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DRIP-LIQUID

Quant Time: Sep 28 03:20:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	466596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	760191	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	756523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	394667	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	336895	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
35) Dibromofluoromethane	5.47	113	264258	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
50) Toluene-d8	8.70	98	956413	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.12	95	368422	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	

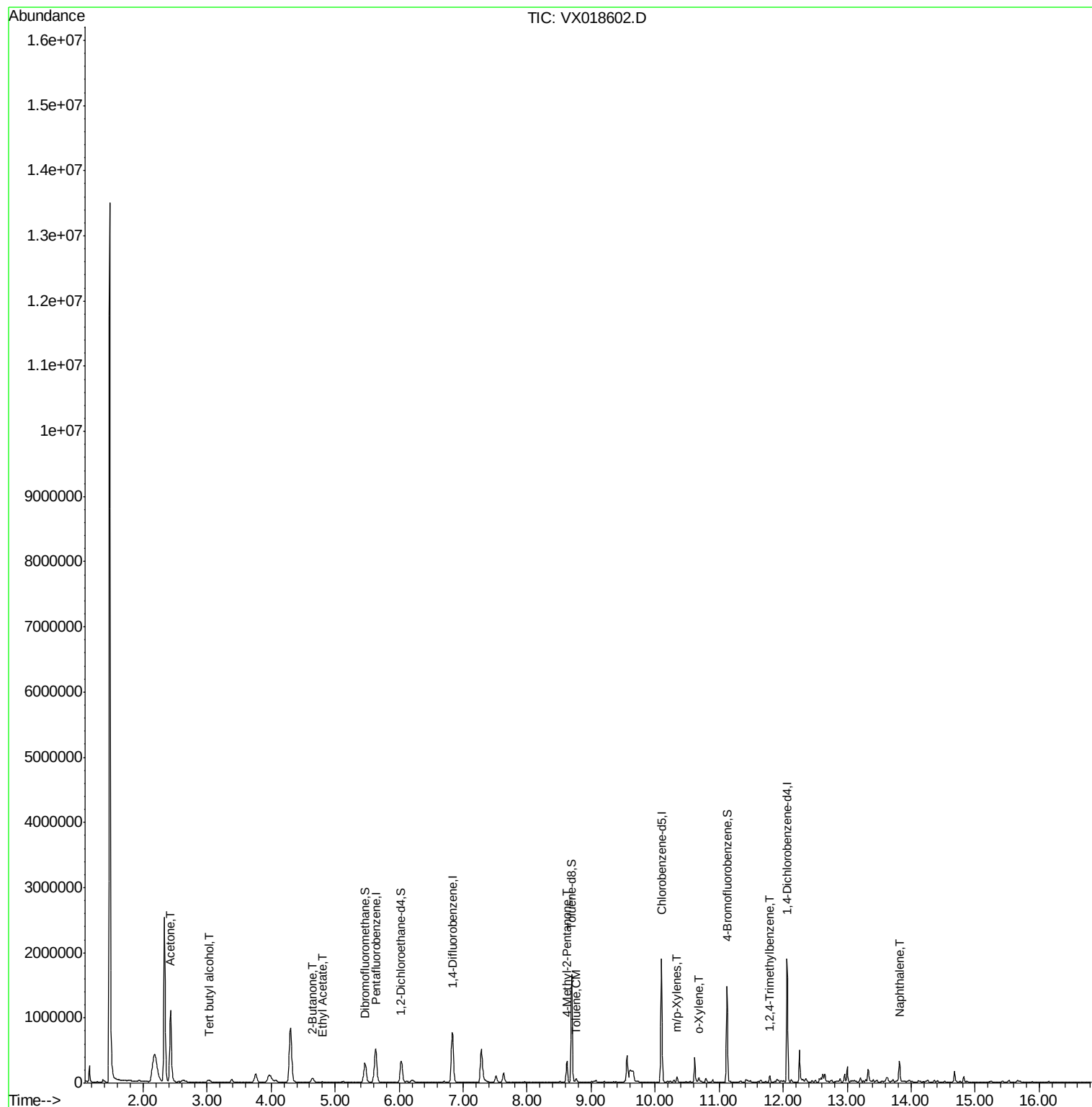
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	47322	41.203	ug/l	98
16) Acetone	2.43	43	1327258	525.778	ug/l	98
25) 2-Butanone	4.64	43	84168	21.411	ug/l	99
37) Ethyl Acetate	4.80	43	22787	2.892	ug/l #	95
51) 4-Methyl-2-Pentanone	8.62	43	182633	23.460	ug/l	97
52) Toluene	8.77	92	17735	1.333	ug/l	92
68) m/p-Xylenes	10.34	106	18932	1.856	ug/l	95
69) o-Xylene	10.68	106	14023	1.452	ug/l	96
84) 1,2,4-Trimethylbenzene	11.79	105	41778	1.840	ug/l	97
95) Naphthalene	13.82	128	188199	7.314	ug/l	100

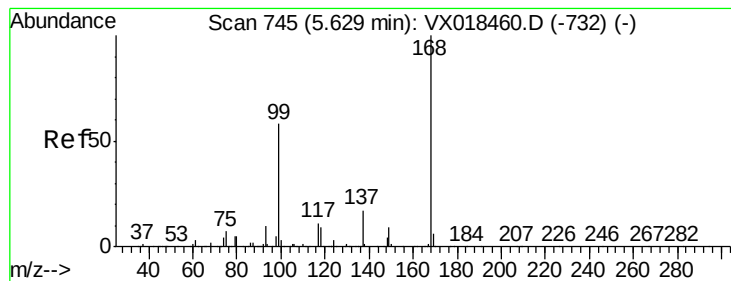
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 17 12:17:36 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018602.D

Acq: 25 Sep 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

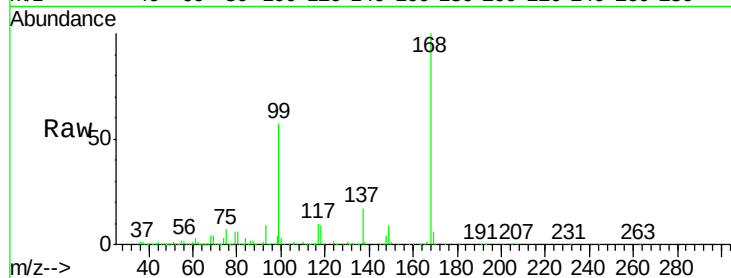
DRIP-LIQUID

Tot Ion:168 Resp: 466596

Ion Ratio Lower Upper

168 100

99 56.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

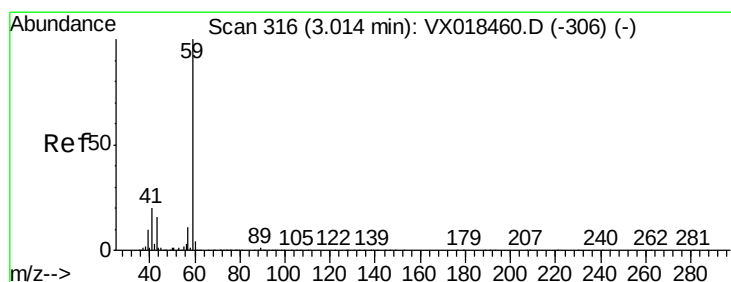
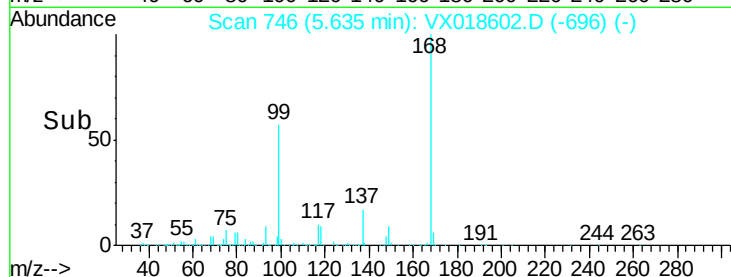
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 41.203 ug/l

RT: 3.04 min Scan# 320

Delta R.T. 0.02 min

Lab File: VX018602.D

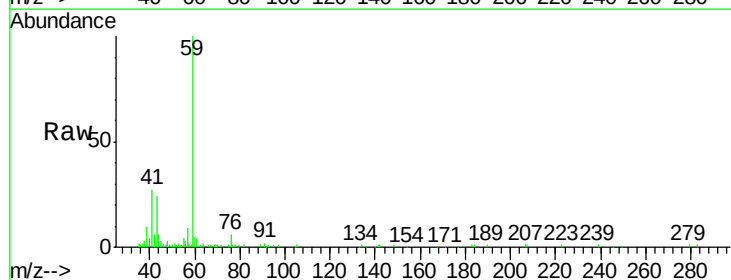
Acq: 25 Sep 2020 17:47

Tgt Ion: 59 Resp: 47322

Ion Ratio Lower Upper

59 100

57 11.2 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.04

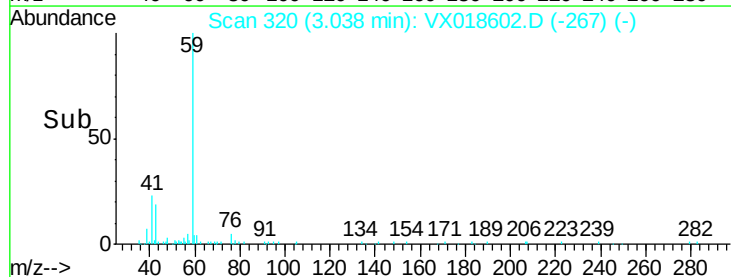
15000

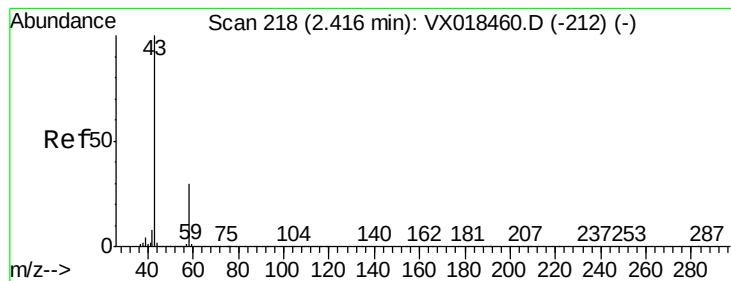
10000

5000

0

Time-->





#16

Acetone

Concen: 525.778 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX018602.D

Acq: 25 Sep 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

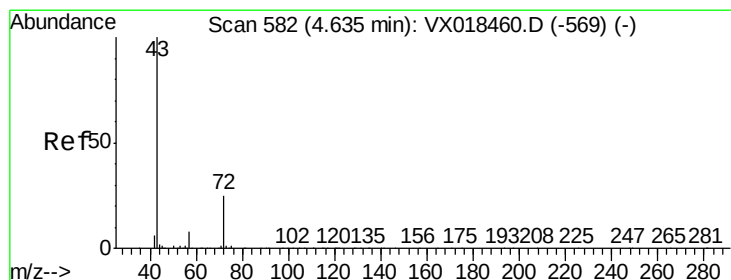
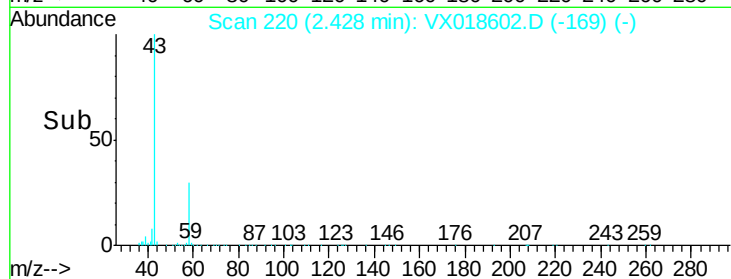
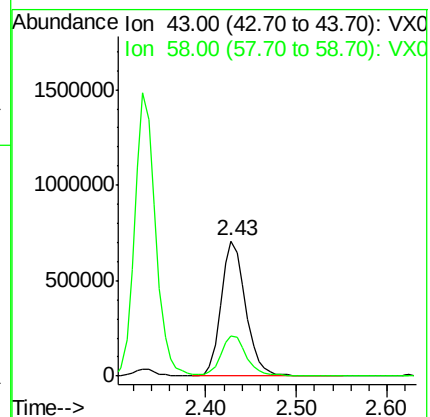
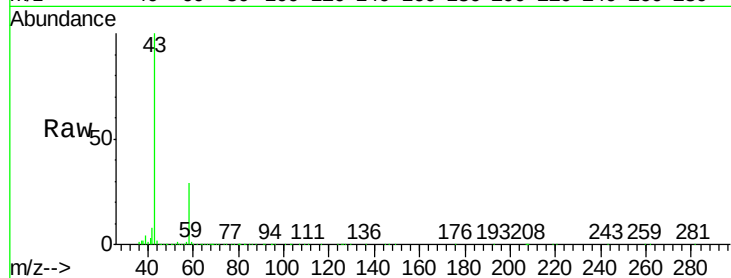
DRIP-LIQUID

Tot Ion: 43 Resp: 1327258

Ion Ratio Lower Upper

43 100

58 29.0 24.0 36.0



#25

2-Butanone

Concen: 21.411 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX018602.D

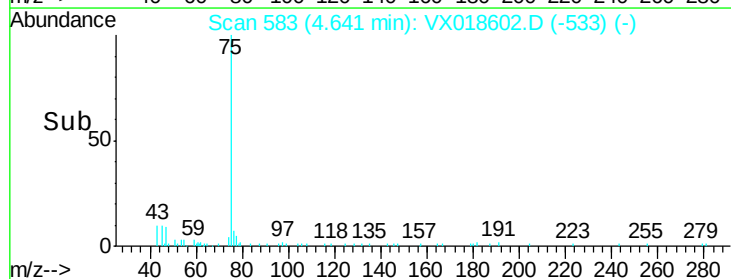
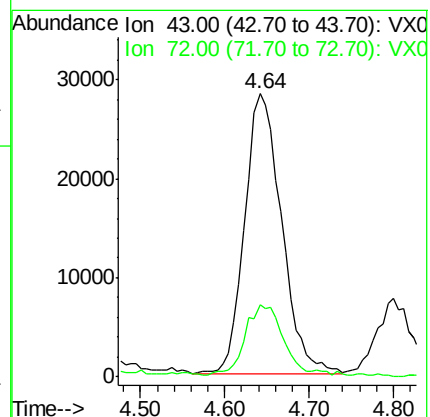
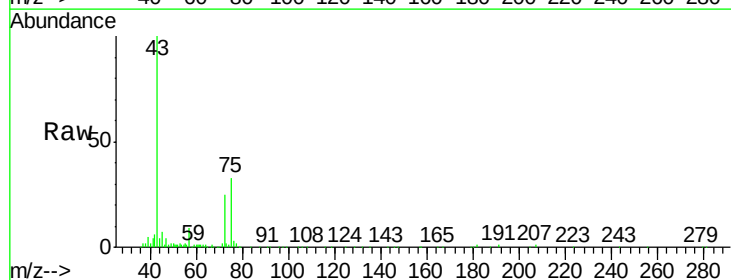
Acq: 25 Sep 2020 17:47

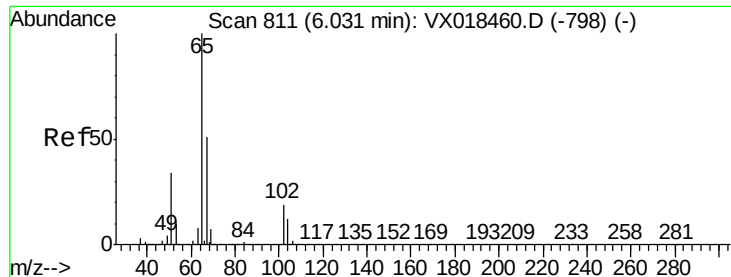
Tgt Ion: 43 Resp: 84168

Ion Ratio Lower Upper

43 100

72 24.7 20.2 30.4





#33

1,2-Dichloroethane-d4

Concen: 51.039 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018602.D

Acq: 25 Sep 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

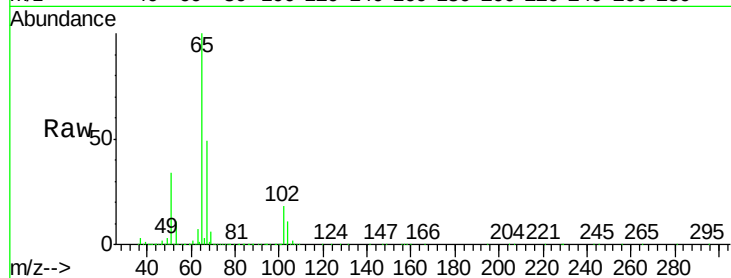
DRIP-LIQUID

Tot Ion: 65 Resp: 336895

Ion Ratio Lower Upper

65 100

67 50.8 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

150000

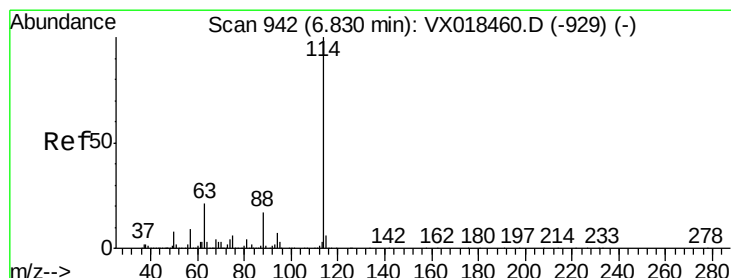
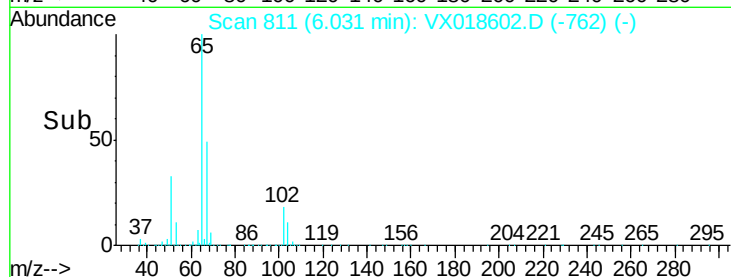
100000

50000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX018602.D

Acq: 25 Sep 2020 17:47

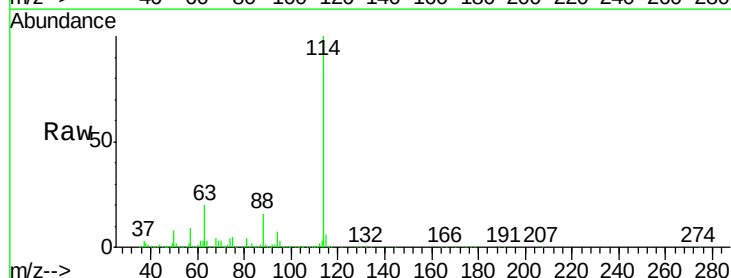
Tgt Ion: 114 Resp: 760191

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.8

88 15.9 0.0 33.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.83

400000

300000

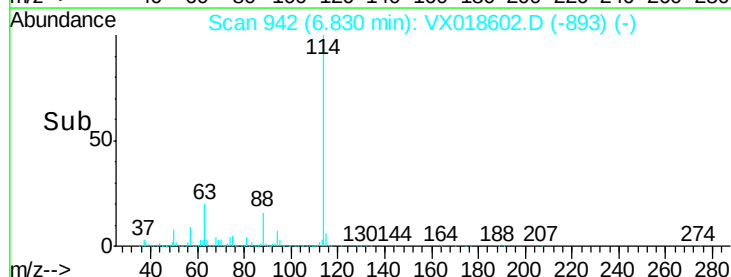
200000

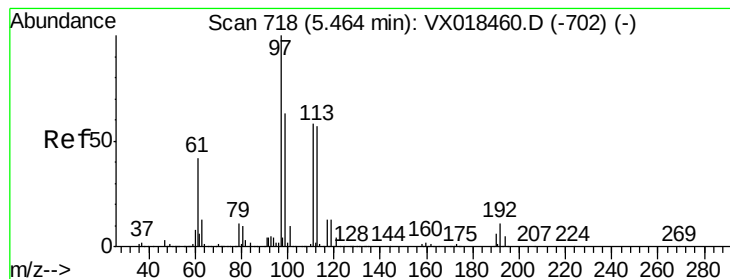
100000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 50.284 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018602.D

Acq: 25 Sep 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

DRIP-LIQUID

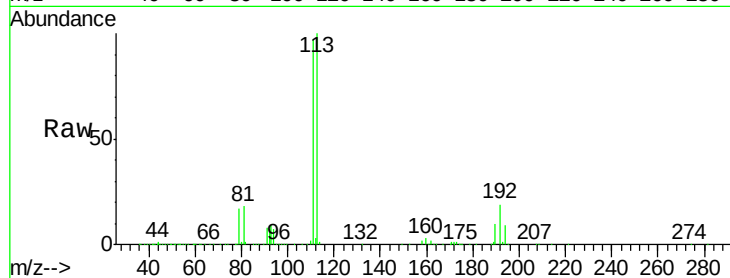
Tot Ion:113 Resp: 264258

Ion Ratio Lower Upper

113 100

111 101.2 81.4 122.2

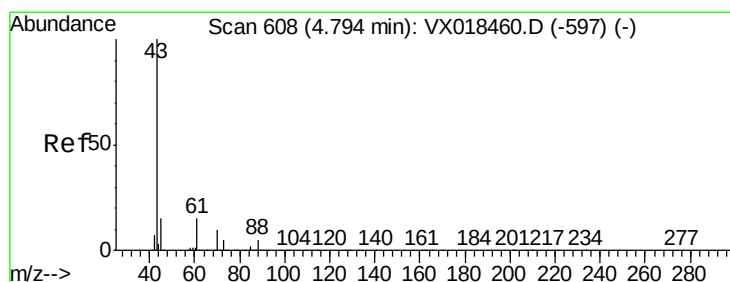
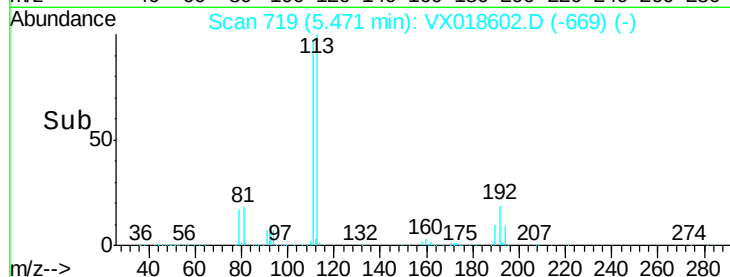
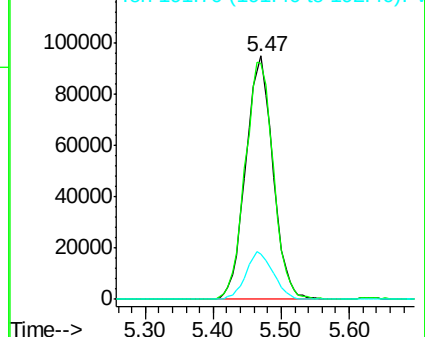
192 19.7 16.6 24.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#37

Ethyl Acetate

Concen: 2.892 ug/l

RT: 4.80 min Scan# 609

Delta R.T. 0.01 min

Lab File: VX018602.D

Acq: 25 Sep 2020 17:47

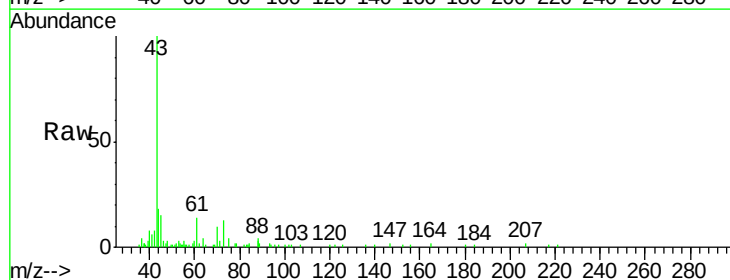
Tgt Ion: 43 Resp: 22787

Ion Ratio Lower Upper

43 100

61 14.4 10.9 16.3

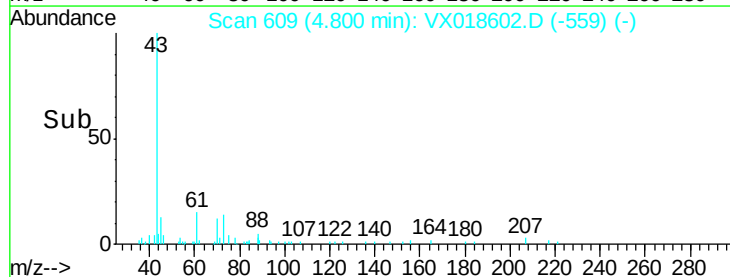
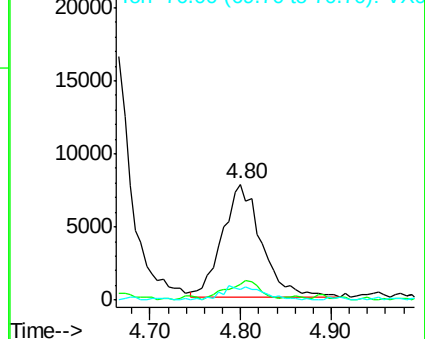
70 6.7 8.3 12.5#

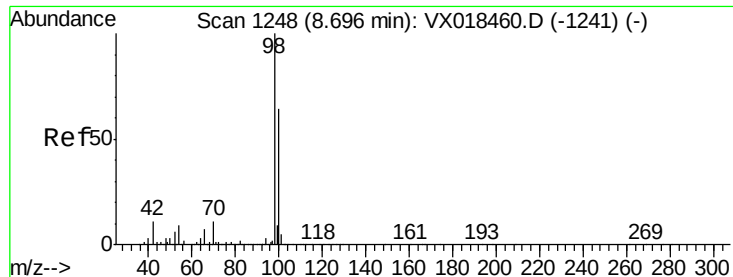


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

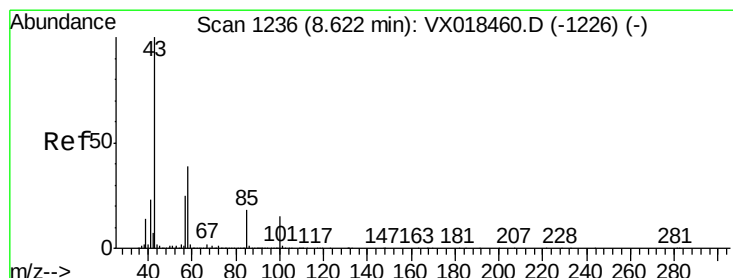
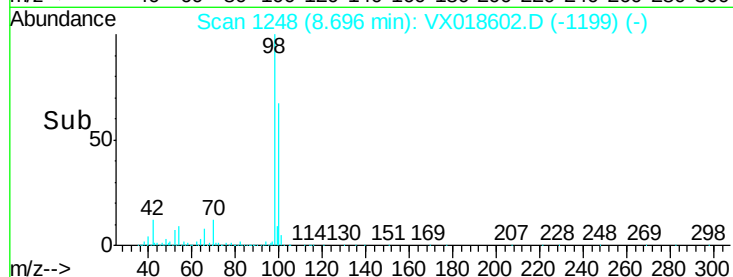
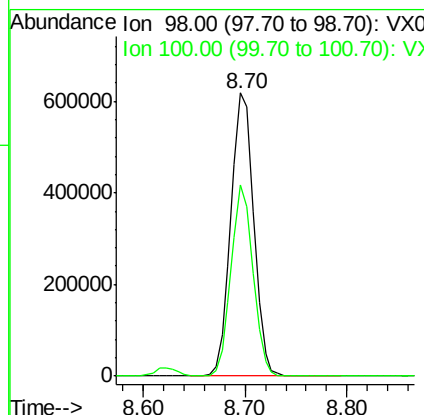
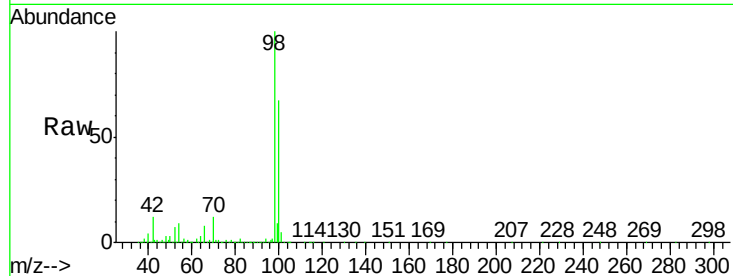




#50
Toluene-d8
Concen: 50.089 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018602.D
Acq: 25 Sep 2020 17:47

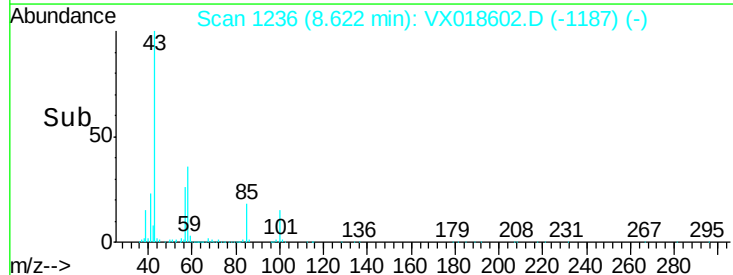
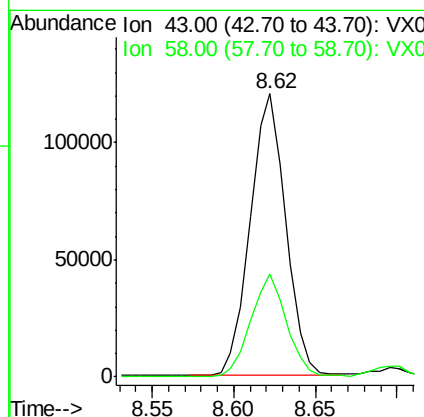
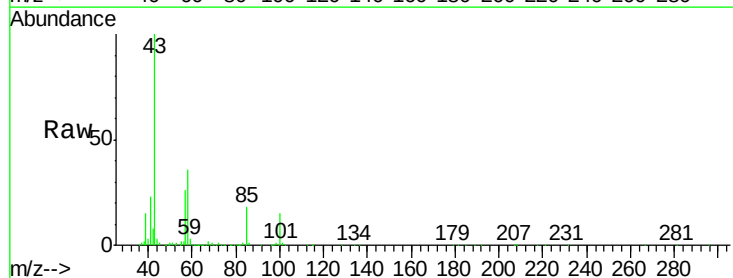
Instrument :
MSVOA_X
ClientSampleId :
DRIP-LIQUID

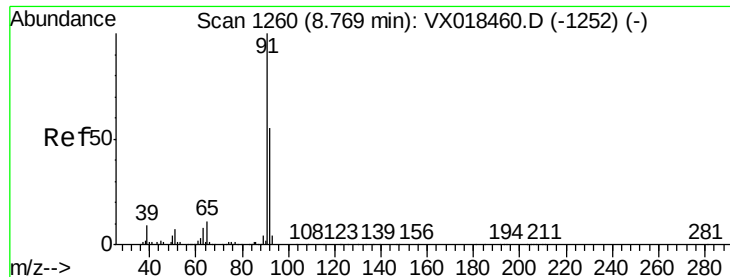
Tot Ion: 98 Resp: 956413
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 23.460 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX018602.D
Acq: 25 Sep 2020 17:47

Tgt Ion: 43 Resp: 182633
Ion Ratio Lower Upper
43 100
58 36.6 30.9 46.3





#52

Toluene

Concen: 1.333 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX018602.D

Acq: 25 Sep 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

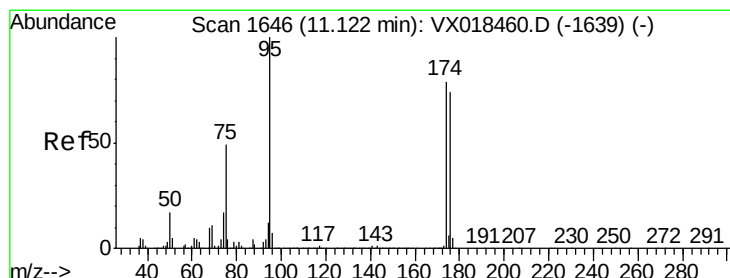
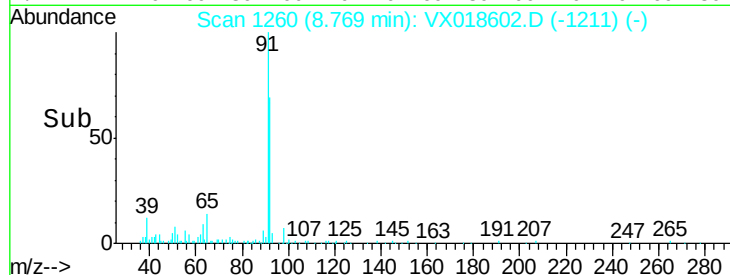
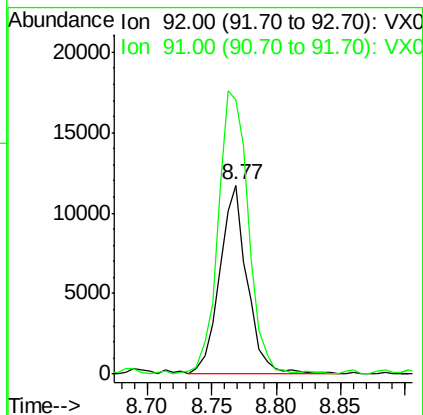
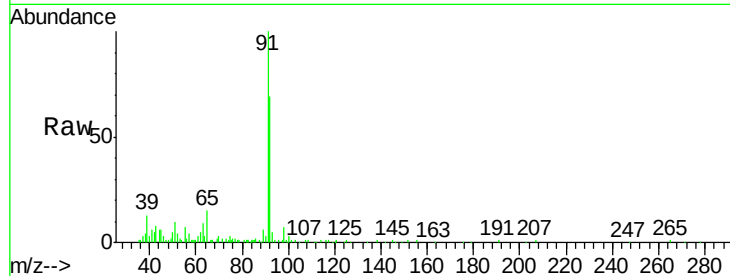
DRIP-LIQUID

Tot Ion: 92 Resp: 17735

Ion Ratio Lower Upper

92 100

91 164.6 140.6 210.8



#62

4-Bromofluorobenzene

Concen: 48.507 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018602.D

Acq: 25 Sep 2020 17:47

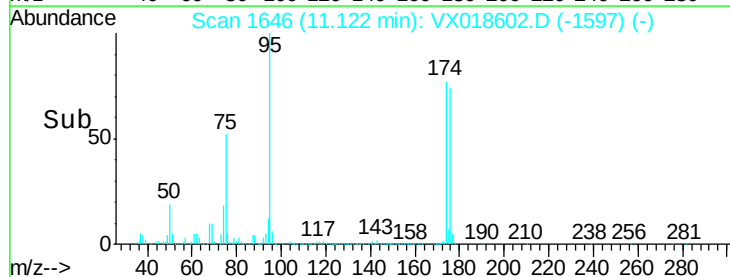
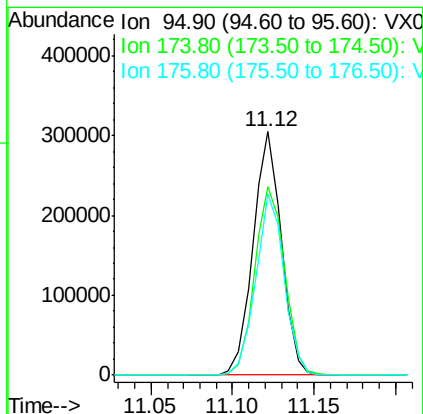
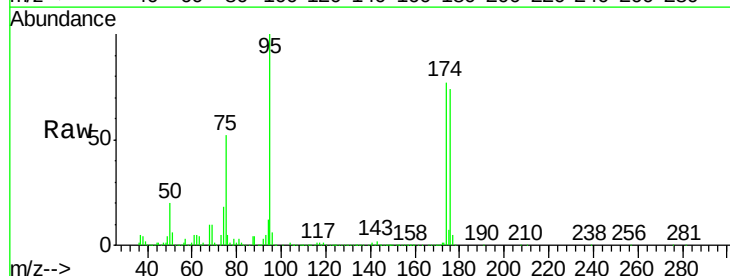
Tgt Ion: 95 Resp: 368422

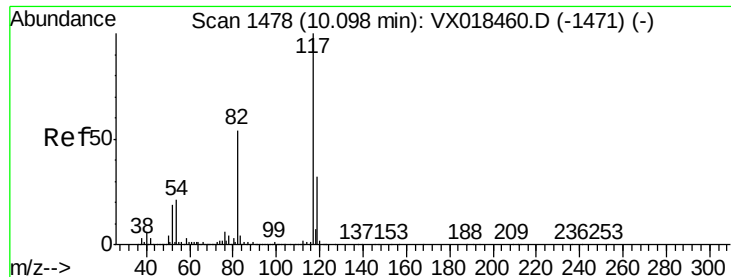
Ion Ratio Lower Upper

95 100

174 81.8 0.0 161.4

176 74.6 0.0 151.4

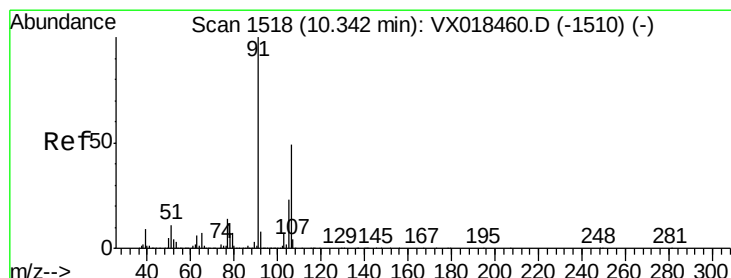
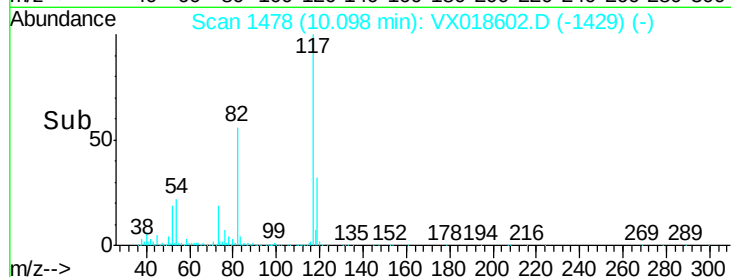
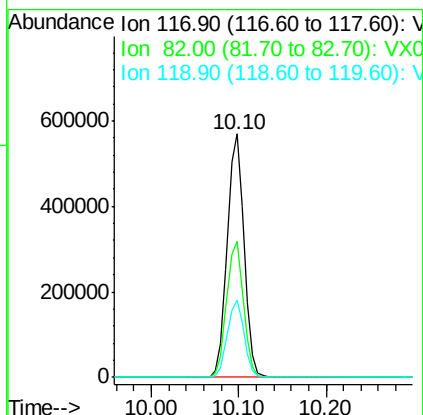
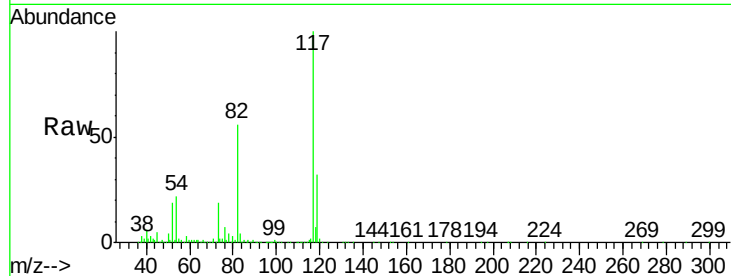




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018602.D
Acq: 25 Sep 2020 17:47

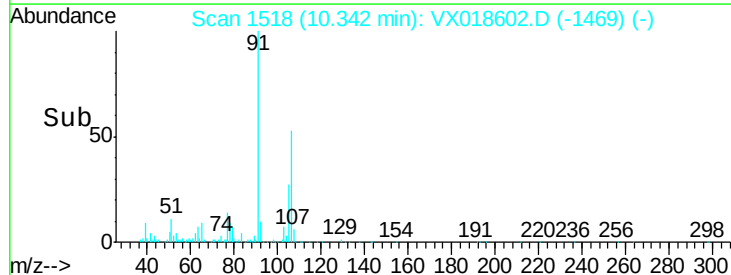
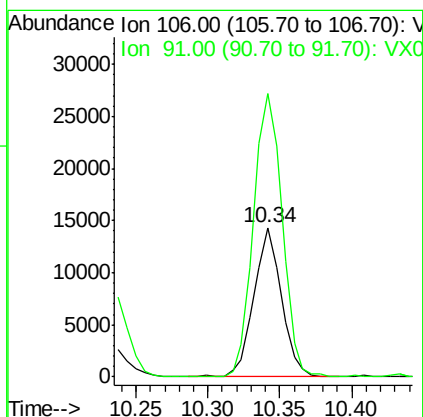
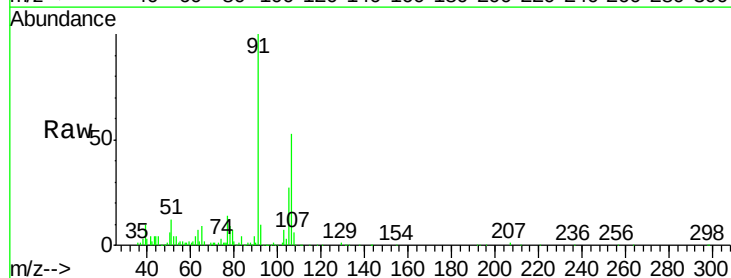
Instrument :
MSVOA_X
ClientSampleId :
DRIP-LIQUID

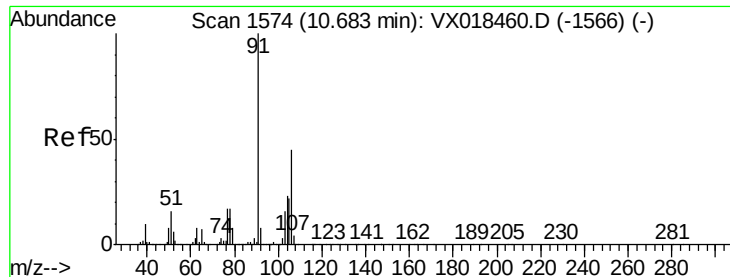
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	43.3	64.9
119	31.6	25.9	38.9



#68
m/p-Xylenes
Concen: 1.856 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX018602.D
Acq: 25 Sep 2020 17:47

Tgt Ion	Ratio	Lower	Upper
106	100		
91	196.7	163.8	245.6

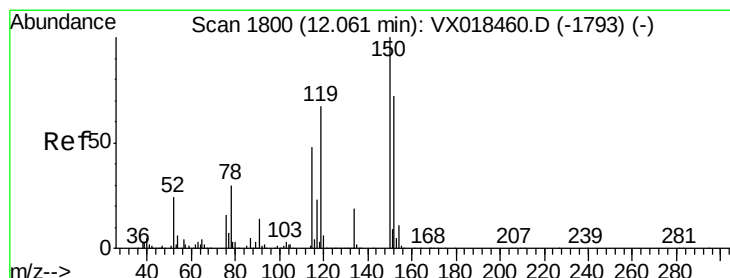
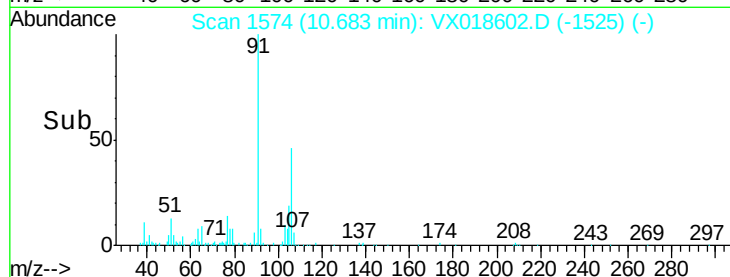
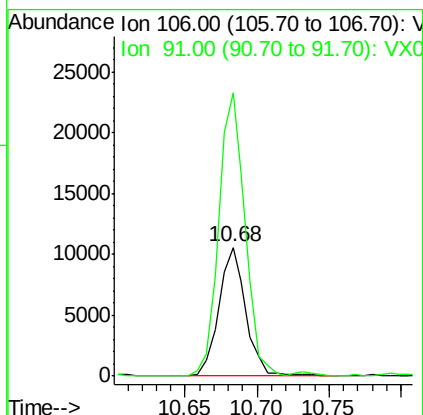
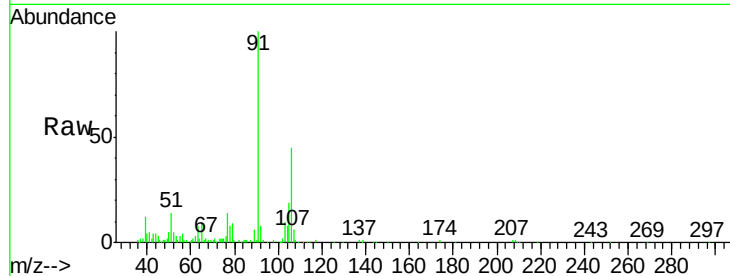




#69
o-Xylene
Concen: 1.452 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX018602.D
Acq: 25 Sep 2020 17:47

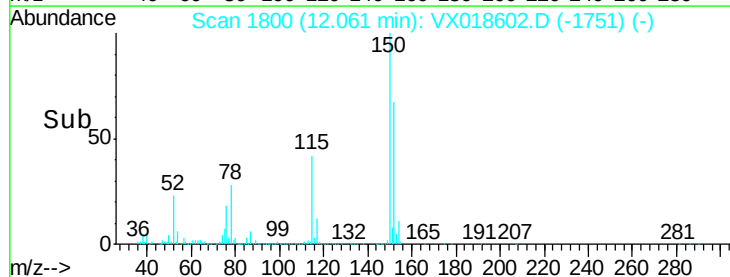
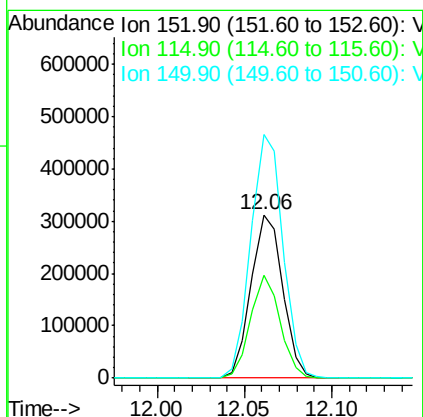
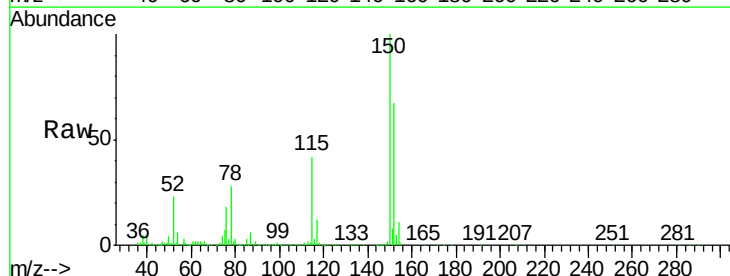
Instrument :
MSVOA_X
ClientSampled :
DRIP-LIQUID

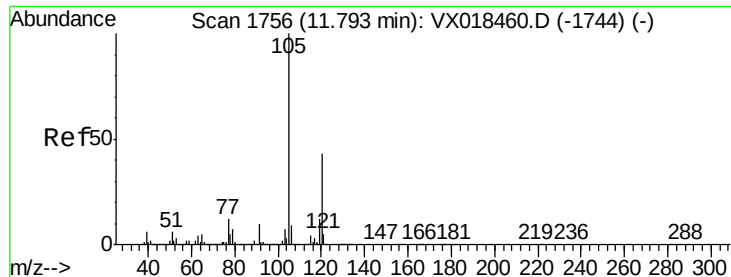
Tot Ion:106 Resp: 14023
Ion Ratio Lower Upper
106 100
91 212.1 109.7 329.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
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Tgt Ion:152 Resp: 394667
Ion Ratio Lower Upper
152 100
115 59.3 41.8 125.4
150 151.8 0.0 342.4





#84

1,2,4-Trimethylbenzene

Concen: 1.840 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018602.D

Acq: 25 Sep 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

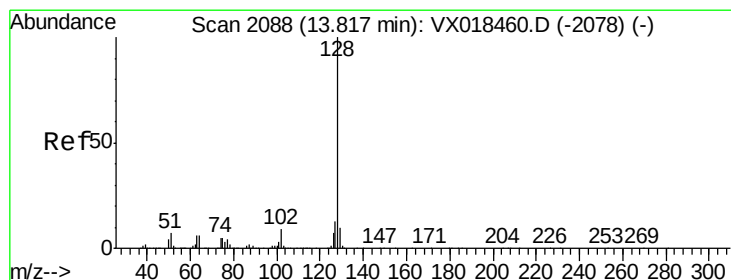
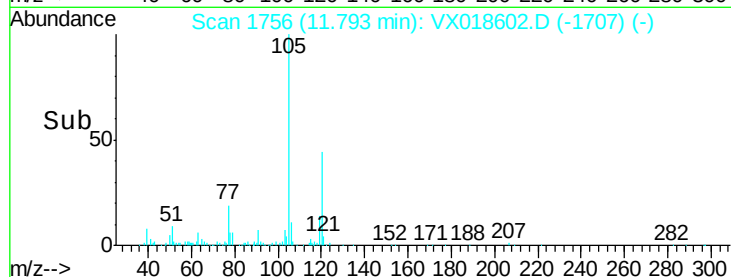
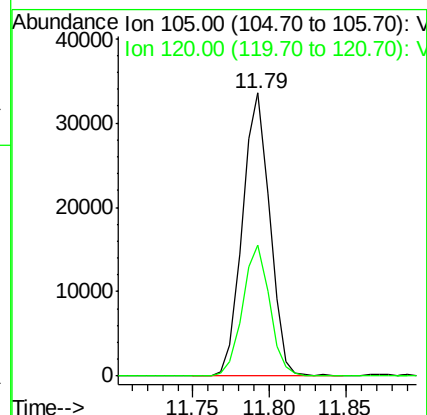
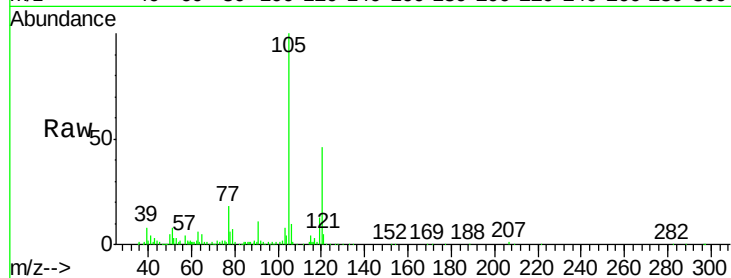
DRIP-LIQUID

Tot Ion:105 Resp: 41778

Ion Ratio Lower Upper

105 100

120 45.5 21.6 65.0



#95

Naphthalene

Concen: 7.314 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018602.D

Acq: 25 Sep 2020 17:47

Tgt Ion:128 Resp: 188199

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 11.0 8.7 13.1

